NSWC REPEAT SXD ANALYSIS OVERVIEW BRIEF 2003

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SXD FILE

- A .SXD FILE IS CREATED DURING THE STRIPOTX PROGRAM EXECUTION
- IT CONTANS A LISTING THAT INCLUDES
  - TDP MSN
  - TOR
  - MSG ACK SID, AND
  - MSG ORIG SID

SXD USE

- A SXD FILE IS USED TO SUPPORT THREE ANALYSIS PROGRAMS
  - ACKCHK: LISTING OF EACH ACK CONTAINED IN OTCIXS HEADER AND NUMBER OF ACK'S RECEIVED
  - COMCHK: LISTING INCLUDES: TDP MSN, TOR, MSG TYPE, FROM SID, ADDEES, ERROR, LNTH, PRIORITY AND TDP MSN
  - COMPARE TDP: LISTINGS OF EVENT COUNT, TDP MESSAGE SERIAL NUMBER, TOT TO TOR, MESSAGE TYPE, ORIGINATING SID, ADDEES AND ERROR.

REPEAT PROGRAM

ACKCHK STARTUP

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\ACK CHECK.lnk

Select files to decode

C:\PROGRA~1\REPEAT\CLASSIC*.SXD

F1=HELP ESC=NoValue

ACKCHK - Version 2003

* * * DOD CONTROLLED SOFTWARE * * *
* * * UNAUTHORIZED USE OR DISTRIBUTION PROHIBITED. * * *

This program generates a listing of each ACK message contained in the header information on OTCIXS/TADIXS. The input file must have an extension of .SXD and is created from the STRIPOTX program. The listing includes: TDP MSN, TOR, MSG, ACK SID, and ORIG SID. Multiple files may be selected. The program may also be executed from the command line. Type 'ACKCHK ?' for command line instructions.

-- Hit <CTRL-C> to return to the DOS prompt. --

ACKCHK MENU

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\ACK CHECK.lnk

C:\WORK\HALIFAX\HALIFA~3*.SXD

ACKCHK

..\

ALR.SXD

SDOTR23A.SXD

TDP.SXD

V6.SXD

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Move cursor to desired file, press Enter.

Mouse: Left=SELECT, Right=ESC, Middle=HELP.

PgDn PgUp F1 Help ESC Select a new path.

ACKCHK MENU CONT

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\ACK CHECK.lnk

Verify

Do you want to display each ack? Yes No

-- Hit <CTRL-C> to return to the DOS prompt. --

ACKCHK RESULTS

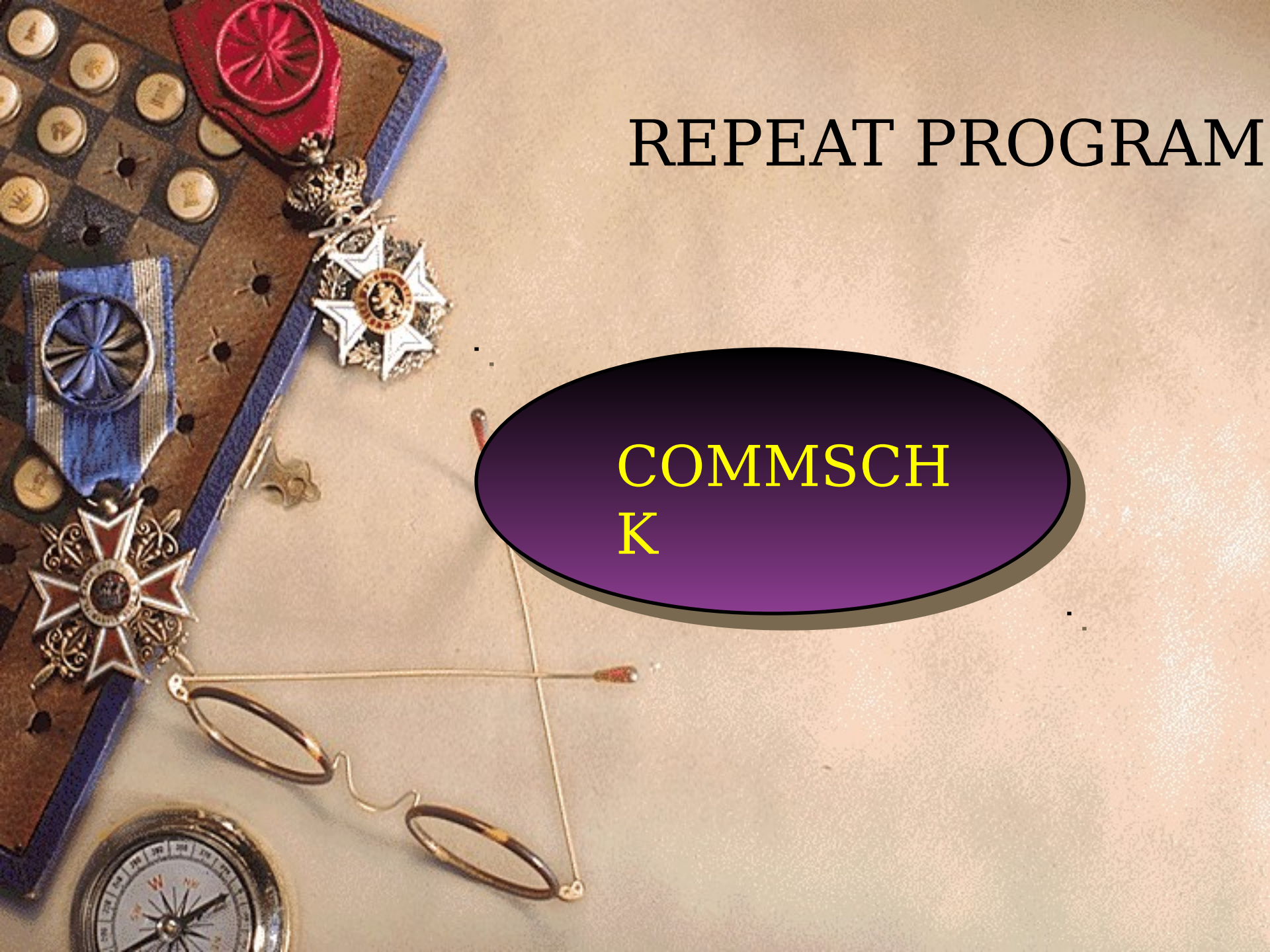
ALR.ACK - WordPad

File Edit View Insert Format Help

```
ACK SID: 110
  ORIG MSG SID: 0102    TOTAL ACKS: 2       (UNIQUE: 2        DUPS: 0     )


ACK SID: 108
  ORIG MSG SID: 0102    TOTAL ACKS: 12      (UNIQUE: 12       DUPS: 0     )
  ORIG MSG SID: 0234    TOTAL ACKS: 1       (UNIQUE: 1        DUPS: 0     )


ACK SID: 14
  ORIG MSG SID: 0213    TOTAL ACKS: 1       (UNIQUE: 1        DUPS: 0     )
  ORIG MSG SID: 0172    TOTAL ACKS: 1       (UNIQUE: 1        DUPS: 0     )
  ORIG MSG SID: 0124    TOTAL ACKS: 2       (UNIQUE: 2        DUPS: 0     )
  ORIG MSG SID: 0246    TOTAL ACKS: 1       (UNIQUE: 1        DUPS: 0     )
  ORIG MSG SID: 0074    TOTAL ACKS: 2       (UNIQUE: 2        DUPS: 0     )
  ORIG MSG SID: 0102    TOTAL ACKS: 5       (UNIQUE: 5        DUPS: 0     )


ACK SID: 193
  ORIG MSG SID: 0102    TOTAL ACKS: 1       (UNIQUE: 1        DUPS: 0     )


ACK SID: 120
  ORIG MSG SID: 0247    TOTAL ACKS: 4       (UNIQUE: 4        DUPS: 0     )


ACK SID: 20
  ORIG MSG SID: 0234    TOTAL ACKS: 1       (UNIQUE: 1        DUPS: 0     )
```

For Help, press F1 CAP

REPEAT PROGRAM



COMMS CHK MENU

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\COMMS CHECK.lnk

Select files to decode

C:\PROGRA~1\REPEAT\CLASSIC*.SXD

F1=HELP ESC=NoValue

COMMSCHK - Version 2003

* * * DOD CONTROLLED SOFTWARE * * *
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This program generates a listing of each GOLD message header contained in an OTCIXS/ TADIXS file. The input file must have and extension of .SXD and is created from the STRIPOTX program. The listing includes: TDP MSN, TOR, MSG TYPE, FROM SID, ADDEES, ERROR, LNTH and PRIORITY. Multiple files can be selected. The program may also be executed from the command line. Type 'COMMSCHK ?' for command line instructions.

-- Hit <CTRL-C> to return to the DOS prompt. --

COMMS CHK MENU CONT

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\COMMS CHECK.lnk

Enter message types for reduction:

ALL

F1=HELP ESC=NoValue

COMMS CHK RESULTS

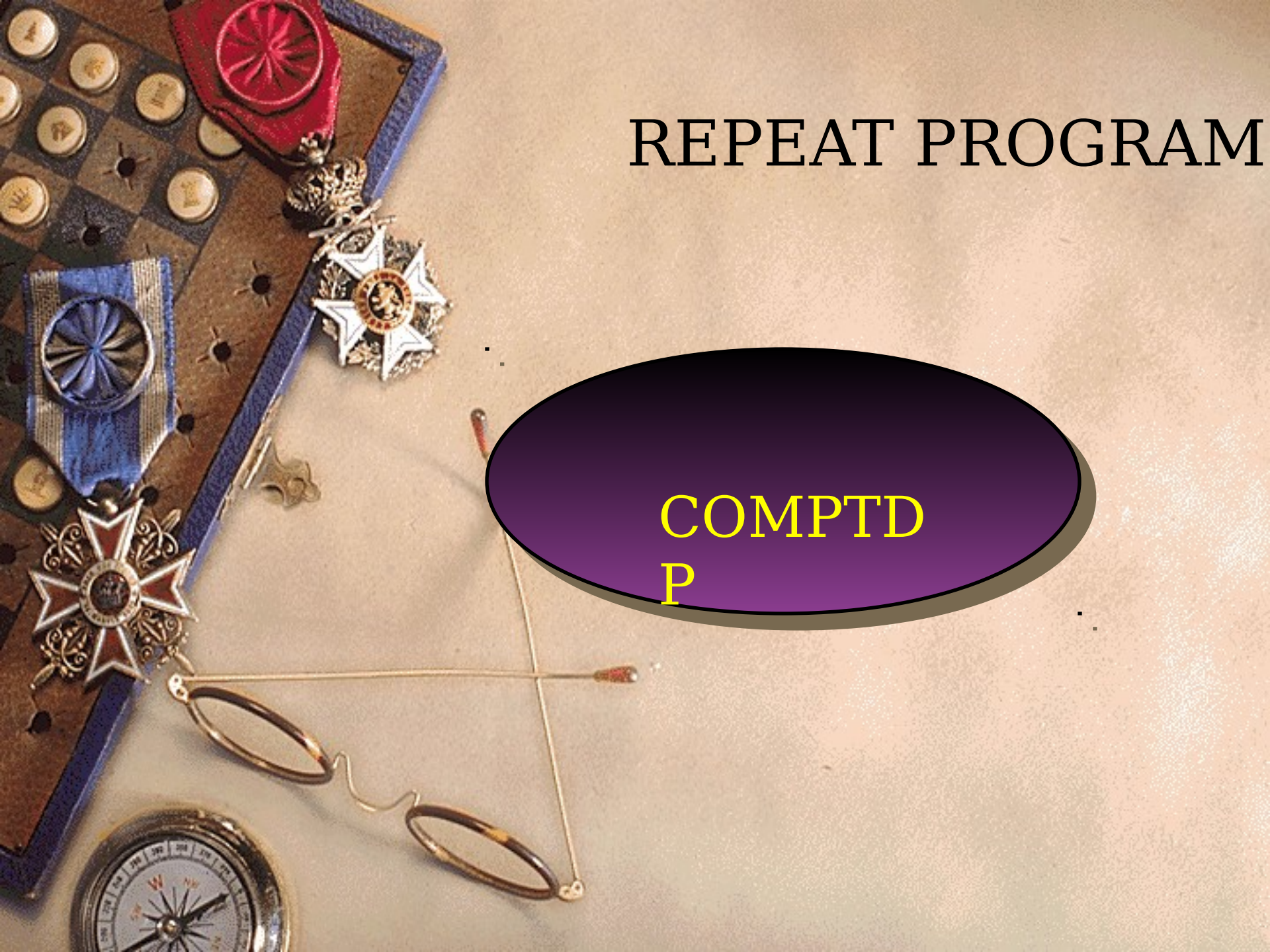
ALR.CHK - WordPad

File Edit View Insert Format Help

```
 16233 2409 7436 15/23:54:57   2   247   200   200   200   200   200 OKAY    274 C
 16234 1782 7198 15/23:56:28   2   158   200   200   200   200   200 OKAY    634 C
 16235 2410 7437 15/23:58:02   2   247   200   200   200   200   200 OKAY    408 C
 16236 4652 7043 15/23:58:18   2   121   200   200   200   200   200 OKAY    246 C
 16237 3603 7536 15/23:58:42   3   234   200   200   200   200   200 OKAY    256 C
 16238 1537 7404 15/23:59:28   2   126   200   200   200   200   200 OKAY    344 C


BASE FILE: C:\WORK\HALIFAX\HALIFA~3\ALR.SXD
      TOTAL: 16238
      NUMBER XMIT WITH ASYC ERRORS:     50

      TYPE
       00:    3404
       02:    9580
       03:    3200
       0C:      54


      LIST OF SIDS
       SID      TOTAL      TYPE     OTHER
                MSGS        00     TYPES
      ---------------------------------
       126        308        39       269
       244        431        28       403
       123        894       145       749
       121        749        77       672
       107       1250       156      1094
       234        714       177       537
       102        402       212       190
       172       2659       509      2150
       125        289        27       262
       174        799        42       757
       246        906       146       760
       213       1749      1150       599
       158        775        75       700
```

For Help, press F1 CAP

REPEAT PROGRAM



COMPTDP MENU

C:\Documents and Settings\All Users\Desktop\Repeat\Classic\COMPARE TDP.lnk

Enter base comparison filename:

C:\PROGRA~1\REPEAT\CLASSIC*.SXD

F1=HELP ESC=NoValue

COMPTDP - Version 2003
* * * DOD CONTROLLED SOFTWARE * * *
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The Compare TDP program compares a base file against up to three comparsion files for messages received and timelate factor. The input files must have an extension of .SXD and are created from the STRIPOTX program. Listings includes: TDP message number, time-of-transmission to time-of-receipt, message type, originating SID, addees and error. The program may also be executed by entering arguments from the DOS Prompt. Type 'COMPTDP ?' for command line instructions.

-- Hit <CTRL-C> to return to the DOS prompt. --

COMPTDP RESULTS

ALR.TDC - WordPad

File Edit View Insert Format Help

```
BASE FILE: C:\WORK\HALIFAX\HALIFA~3\ALR.SXD
      TOTAL XMIT: 12834  OTHER MSN: 0      TDPMSN MISSING: 2578   POSS XMIT: 15412

      TYPE  02:    9580
            03:    3200
            0C:      54


FIRST COMPARISON FILE: C:\WORK\HALIFAX\HALIFA~3\ALR.SXD

      RECEIVE SIDS: ALL
      POSS MSG TO SID: 12834
      NUMBER RECEIVED: 12834      ERROR COUNT
      TYPE  02:    9580           OKAY  : 12784
            03:    3200           E_FCSH:     1
            0C:      54           E_FCSD:    49

      TIMELINESS OF MSGS RECEIVED
      SAMPLE SIZE: 12834

      MEAN      00/00:00:00
      MEDIAN    00/00:00:00
      STD DEV   00/00:00:00


SECOND COMPARISON FILE: C:\WORK\HALIFAX\HALIFA~3\ALR.SXD

      RECEIVE SIDS: ALL
      POSS MSG TO SID: 12834
      NUMBER RECEIVED: 12834      ERROR COUNT
      TYPE  02:    9580           OKAY  : 12784
            03:    3200           E_FCSH:     1
            0C:      54           E_FCSD:    49

      TIMELINESS OF MSGS RECEIVED
      SAMPLE SIZE: 12834
```

For Help, press F1 CAP